

# Residential Swimming Pools, Spas and Hot Tubs Code References Appendix G

## SECTION AG108

### STANDARDS

#### AG108.1 General.

#### ANSI/NSPI

ANSI/NSPI-3-99 Standard for Permanently Installed  
Residential Spas . . . . . AG104.1

ANSI/NSPI-4-07 Standard for Above-ground/On-  
ground

Residential Swimming Pools . . . . . AG103.2

ANSI/NSPI-5-2003 Standard for Residential In-ground  
Swimming Pools. . . . . AG103.1

ANSI/NSPI-6-99 Standard for Residential  
Portable Spas . . . . . AG104.2

#### ANSI/APSP

ANSI/APSP –7-06 Standard for Suction Entrapment  
avoidance in Swimming Pools, Spas, Hot Tubs and  
Catch Basins . . . . . AG106.1

#### ASCE

ASCE/SEI-24-05 Flood resistant Design and  
Construction . . . . . AG103.3

#### ASTM

ASTM F 1346-91 (2003) Performance Specification  
for Safety Covers and Labeling Requirements for  
All Covers for Swimming Pools, Spas and  
Hot Tubs . . . . . AG105.2, AG105.5

#### UL

UL 2017-2000 Standard for General-purpose Signaling  
Devices and Systems– with revisions through June  
2004 . . . . . AG105.2

## Mecklenburg County Health Department

700 North Tryon Street, Suite 208  
Charlotte, North Carolina 28208-2236  
Phone (980) 314-1620 Fax (704) 336-5306

[www.meckhealth.org](http://www.meckhealth.org)

Health Department Pool ordinance  
including checklist is available on-line.



## Mecklenburg County Code Enforcement

2145 Suttle Avenue  
Charlotte, North Carolina 28208-5237  
Phone (980) 314-CODE (2633)

[www.meckpermit.com](http://www.meckpermit.com)

## Residential Technical Assistance Center

### Code Questions

(980) 314-CODE (2633) ext.2123

This brochure is not intended to replace the codes governing pools, spas and hot tubs. Customers should refer to the 2012 North Carolina Residential Code Appendix G, the 2009 International Residential Code Appendix G. and the Mecklenburg County Health Department Ordinances for additional information regarding codes and ordinances.

12/2016



## Residential Pools, Spas & Hot Tubs



## Mecklenburg County Code Enforcement & Health Department

### Our Mission:

To protect the public's health, safety and  
welfare while delivering services that  
exceed customers' expectations for  
efficiency, effectiveness and adaptability.

## SWIMMING POOLS, SPAS & HOT TUBS 2012 North Carolina Residential Building Code

### The Residential Swimming Pool Program

The Mecklenburg County Health Ordinance Governing Residential Swimming Pools was enacted to protect the health and safety of citizens residing near residential swimming pools in 1999. Since 2002, the North Carolina Residential Building Code has been governing swimming pools. Today's current code cycle is the 2012 NC Residential Code. A swimming pool in Mecklenburg County shall comply with **both county ordinance and current residential code.**

### To Install a Pool In Your Yard...

You must first fill out an application with the Mecklenburg County Health Department (MCHD). Call for more information, 704-336-5101. After receiving approval to construct your swimming pool from the MCHD, you must obtain a Building Permit prior to beginning construction. This will include an electrical permit if there is any power to the pool, including a made up wire and plug. A plumbing permit may also be required. Permit holder will be responsible for inspections and compliance with the Health Department ordinance and the State Residential Code. Call the residential permitting at 980-314-CODE (CODE). Or stop by Mecklenburg County Code Enforcement at 2145 Suttle Avenue Charlotte, NC 28208.

### What Is Considered A Pool/Hot Tub/Spa?

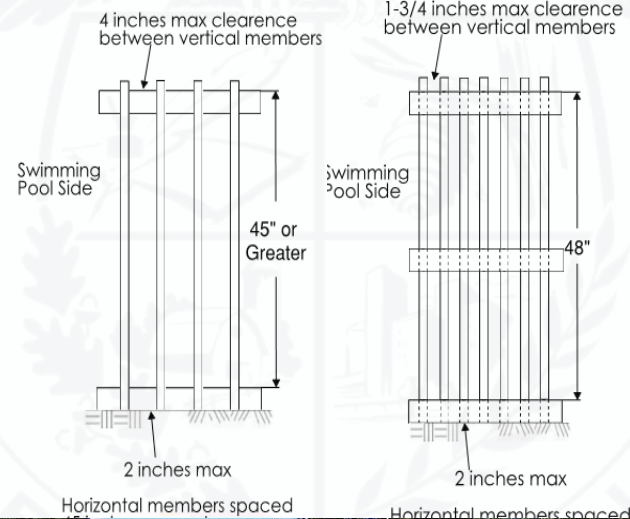
A residential swimming pool means an artificial structure, basin, chamber or tank containing a body of water for the primary purpose of swimming, diving, recreational, or therapeutic bathing. As used in the Health Ordinance, the term is limited to pools which are fitted with a filter for clarifying pool water, or which are designed to be fitted with a filter, whether installed or not, **or** per NC Residential Code, any pool more than **24 inches deep (610mm)**. The NCRC also includes facilities located inside a residence, storable pools designed for seasonal setup and use which are stored at the end of the swimming season, or all spas and hot tubs.

### Barrier Requirements

The state building code (**AG105**) requires a fence around the pool which shall be at least **48 inches** above grade on the outside of the fence. The maximum clearance below the fence to grade is **2 inches**.

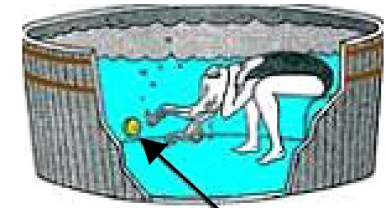
Other clearance requirements do apply. Also, if the dwelling serves as part of the barrier, one of the following shall be met. Pool shall be equipped with a power safety cover. Doors with direct access shall be equipped with alarm which produces audible sound when opened. Other means of protection, such as self-closing doors with latching devices which are approved by the governing body. Consult the 2012 Residential Code or

***If you're in doubt, reach out —***  
**980-314-CODE (2633) ext. 2123**



### Entrapment Protection For Swimming Pools

Suction outlets in pools and spas shall be designed to protect against user entrapment. All water circulation equipment must comply with Section **AG 106**, NC Residential Code. This would include single outlet systems, such as automatic vacuum cleaner systems, or other such multiple suction outlets whether isolated by valves or otherwise, shall be protected against user entrapment.



**Other Considerations:** At the end of the swimming season all pools must be treated or maintained so as to prevent the development of unsanitary conditions. Any wastewater from the swimming pool shall be discharged into a sanitary sewer or by an alternative method which does not create a public nuisance/hazard and is approved by the Health Department. This is not the same as a storm drain which is normally located at the curb in the street. There shall be no direct physical connection between the sanitary sewer system and any drain from the swimming pool or circulation system.



Access gates to the pool shall be equipped with a self-closing device and a latch. The gate shall open out away from the pool and the latch must be on the inside of the gate, **54 inches** above the bottom of the gate **or 3 inches** below the top of the gate.